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APPLICATION NO.	Fil	LING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/076,170	0	2/11/2002	Shaorong Liu	1093/204	2824	
7.	590	09/16/2004		EXAMINER		
LIU & LIU L	LP			BARTON, JEFFREY THOMAS		
Suite 1100 811 West 7th S	treet			ART UNIT	PAPER NUMBER	
Los Angeles, (CA 900	17		1753 DATE MAIL ED: 09/16/2004		

Please find below and/or attached an Office communication concerning this application or proceeding.

		Anni: G - Ni								
		Application No.	Applicant(s)							
Office Action Summary		10/076,170	LIU ET AL.							
	Office Action Summary	Examiner	Art Unit							
	The MANUAL DATE OF THE COLUMN TO THE COLUMN	Jeffrey T Barton	1753							
Period fo	The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply									
THE - Exter after - If the - If NC - Failu Any	ORTENED STATUTORY PERIOD FOR RE MAILING DATE OF THIS COMMUNICATIO nations of lime may be available under the provisions of 37 CFF SIX (6) MONTHS from the mailing date of this communication period for reply specified above is less than thirty (30) days, a period for reply is specified above, the maximum statutory per to reply within the set or extended period for reply will, by streeply received by the Office later than three months after the med patent term adjustment. See 37 CFR 1.704(b).	DN. R 1.136(a). In no event, however, may a reply be t . I reply within the statutory minimum of thirty (30) da riod will apply and will expire SIX (6) MONTHS from the cause the application to become ABANDON	timely filed ays will be considered timely. m the mailing date of this communication. JED (35 U.S.C. 8 133)							
Status										
1)🖂	Responsive to communication(s) filed on 24	4 January 2003.								
2a) <u></u> □	This action is FINAL . 2b) ☑ This action is non-final.									
3)	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is									
	closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.									
Dispositi	on of Claims									
4)	4)⊠ Claim(s) <u>1-14</u> is/are pending in the application.									
	4a) Of the above claim(s) is/are withdrawn from consideration.									
5)	Claim(s) is/are allowed.									
	Claim(s) is/are rejected.									
	Claim(s) is/are objected to.									
8)⊠	Claim(s) <u>1-14</u> are subject to restriction and/	or election requirement.								
Applicati	on Papers									
9) 🗌 🤈	The specification is objected to by the Exam	niner.								
10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.										
	Applicant may not request that any objection to t	the drawing(s) be held in abeyance. Se	эе 37 CFR 1.85(а).							
_	Replacement drawing sheet(s) including the corr		, ,							
11)[The oath or declaration is objected to by the	Examiner. Note the attached Office	e Action or form PTO-152.							
Priority u	ınder 35 U.S.C. § 119									
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of:										
,-	1. Certified copies of the priority documents have been received.									
	2. Certified copies of the priority documents have been received in Application No									
	3. Copies of the certified copies of the priority documents have been received in this National Stage									
	application from the International Bureau (PCT Rule 17.2(a)).									
* See the attached detailed Office action for a list of the certified copies not received.										
Attache	46)									
Attachment 1) Notice	c(s) e of References Cited (PTO-892)	4) 🔀 Interview Summary	v (PTO 442)	İ						
2) 🔲 Notice	e of Draftsperson's Patent Drawing Review (PTO-948)	Paper No(s)/Mail D	Date. <u>20040830</u> .							
3) ∐ Inforn Paper	nation Disclosure Statement(s) (PTO-1449 or PTO/SB/ · No(s)/Mail Date	(08) 5) Notice of Informal (6) Other:	Patent Application (PTO-152)							
S Patent and Tr		-, <u>-</u>								

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DETAILED ACTION

Election/Restrictions

Restriction to one of the following inventions is required under 35 U.S.C.
 121:

- Claims 1-8, drawn to a microfluidic system, classified in class 204, subclass 601.
- II. Claims 9-11, drawn to an electrolysis-free electrode, classified in class 204, subclass 282.
- III. Claims 12 and 13, drawn to a connection joint, classified in class422, subclass 103.
- IV. Claim 14, drawn to a micropipettor, classified in class 204, subclass604.
- 2. Inventions I and (II, III, or IV) are related as combination and subcombination. Inventions in this relationship are distinct if it can be shown that (1) the combination as claimed does not require the particulars of the subcombination as claimed for patentability, and (2) that the subcombination has utility by itself or in other combinations (MPEP § 806.05(c)). In the instant case, the combination as claimed does not require the particulars of the subcombinations as claimed because the microfluidic system can function: (i) with different electrodes (e.g. bare platinum wire), (ii) without a bubble-free electric connection joint, and (iii) as something other than a micropipettor (e.g. reactor). The subcombinations have separate utilities such as: (i) an electrode

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in a conventional capillary electrophoresis system, (ii) a connection joint in a conventional capillary electrophoresis system, and (iii) a non-substrate-based micropipettor.

- 3. Inventions (II or III) and IV are related as subcombinations disclosed as usable together in a single combination. The subcombinations are distinct from each other if they are shown to be separately usable. In the instant case, inventions II and III have separate utility such as an electrode and joint in a microfluidic system that is not a micropipettor. See MPEP § 806.05(d).
- 4. Inventions II and III are related as subcombinations disclosed as usable together in a single combination. The subcombinations are distinct from each other if they are shown to be separately usable. In the instant case, invention III has separate utility such as providing electrical communication between a microfluidic system and an electrode that has no protective housing. See MPEP § 806.05(d).
- 5. Because these inventions are distinct for the reasons given above and have acquired a separate status in the art as shown by their different classification, restriction for examination purposes as indicated is proper.

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6. A telephone call was made to Mr. Wen Liu on 2 September 2004 to request an oral election to the above restriction requirement, but did not result in an election being made.

Applicant is advised that the reply to this requirement to be complete must include an election of the invention to be examined even though the requirement be traversed (37 CFR 1.143).

- 7. Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of inventorship must be accompanied by a request under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(i).
- 8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Dr. Jeffrey Barton, whose telephone number is (571) 272-1307. The examiner can normally be reached Monday-Friday from 8:30 am - 5:00 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nam Nguyen, can be reached at (571) 272-1342. The fax number for the organization where this application or proceeding is assigned is (703) 872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pairdirect.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at (866) 217-9197 (tollfree).

JTB September 7, 2004

NAM NGUYEN SUPERVISORY PATENT EXAMINE TECHNOLOGY CENTER 1700